

## **STEERING COLUMN ASSEMBLY**

### **ABSTRACT OF THE DISCLOSURE**

A steering column assembly for operating a vehicle packages mechanical components and electrical devices normally found in or around the steering column of the vehicle into a single unit. An on-board processor accepts signals from the electrical devices, which may include a steering sensor, an acceleration pedal sensor, a brake pedal sensor, a turn signal switch, a cruise control switch, a windshield wiper switch, etc. The on-board processor connects to a vehicle communications bus to communicate data received from the electrical devices to various systems throughout the vehicle. The on-board processor also receives data from the various systems. The steering column assembly also includes a display connected to the on-board processor. The operator receives information about the operation of the vehicle from the display. All components, including the on-board processor, are operatively connected to a column support, allowing the steering column assembly to be installed as a unit. Therefore, the steering column assembly installs quickly into the vehicle with a reduced chance of installation error.